

Comprehensive medication reviews do not cut unplanned hospitalizations

May 11 2021



Hospital-based comprehensive medication reviews (CMRs) plus

postdischarge follow-up do not decrease the incidence of unplanned hospital visits, according to a study published online April 30 in *JAMA Network Open*.

Thomas G.H. Kempen, from Uppsala University Hospital in Sweden, and colleagues studied the effects of hospital-based CMRs, with or without postdischarge follow-up of older patients' use of health care resources, compared to only hospital-based reviews and usual care. The analysis included 2,637 patients (median age, 81 years) who had been admitted to one of eight participating wards (Feb. 6, 2017, to Oct. 19, 2018).

The researchers found the crude incidence rate of unplanned hospital visits was 1.77 per patient-year in the total study population. The incidence of unplanned [hospital](#) visits (admissions plus emergency department visits) within 12 months did not differ between either intervention group and usual care (CMR: adjusted rate ratio, 1.04 [95 percent confidence interval, 0.89 to 1.22]; CMR plus postdischarge follow-up: adjusted rate ratio, 1.15 [95 percent confidence interval, 0.98 to 1.34]). Compared with usual care, CMR plus postdischarge follow-up was associated with an increased incidence of emergency department visits within 12 months (adjusted rate ratio, 1.29; 95 percent confidence interval, 1.05 to 1.59).

"Alternative forms of medication reviews that aim to improve older patients' health outcomes should be considered and subjected to randomized [clinical trials](#)," the authors write.

More information: [Abstract/Full Text](#)
[Editorial](#)

Copyright © 2021 [HealthDay](#). All rights reserved.

Citation: Comprehensive medication reviews do not cut unplanned hospitalizations (2021, May 11) retrieved 27 April 2024 from <https://medicalxpress.com/news/2021-05-comprehensive-medication-unplanned-hospitalizations.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.